



Attorney's Docket No. 5051-471

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Conkling et al.
Serial No.: 09/941,042
Filed: August 28, 2001
For: *TRANSGENIC PLANTS CONTAINING MOLECULAR DECOYS*

Confirmation No.: 4291
Group Art Unit: 1638
Examiner: Kubelik

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Date: November 14, 2003

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**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)**

Sir:

Attached is a form PTO-1449, together with a copy of each of the identified document(s).

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP. We note that the documents are enclosed within three (3) boxes. A copy of this coversheet accompanies each box.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(c), before final Office Action or Allowance, whichever is earlier. A check for the \$180.00 fee specified in 37 C.F.R. § 1.17(p) is enclosed. This amount is believed to be correct. However, the Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

Jarett K. Abramson
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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 5051-471			Serial No. 09/941,042
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				RECEIVED NOV 20 2003 TECH CENTER 1600/2900			
				Applicants: Conkling et al.			
				Filing Date August 28, 2001			Group 1638
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	4693976	9/1987	Schilperoort et al.			
	2.	4762785	08/1988	Comai			
	3.	4885248	12/1989	Ahlquist			
	4.	4940838	07/1990	Schilperoort et al.			
	5.	4945050	07/1990	Sanford et al.	435	172	
	6.	4954442	09/1990	Gelvin et al.			
	7.	5034322	07/1991	Rogers et al.			
	8.	5036006	07/1991	Sanford et al.			
	9.	5100792	07/1991	Sanford et al.			
	10.	5107065	04/1992	Shewmaker et al.			
	11.	5149645	09/1992	Hoekema et al.			
	12.	5157115	10/1992	Taniguchi	536	227	
	13.	5179022	01/1993	Sanford et al.	435	287	
	14.	5190931	03/1993	Inouye et al.			
	15.	5204253	04/1993	Sanford et al.	435	172.3	
	16.	5208149	05/1993	Inouye et al.			
	17.	5231020	07/1993	Jorgensen et al.			
	18.	5254800	10/1993	Bird et al.			
	19.	5260205	11/1993	Nakatani et al.			
	20.	5272065	12/1993	Inouye et al.			
	21.	5352605	10/1994	Fraley et al.			
	22.	5356799	10/1994	Fabijanski et al.			
	23.	5365015	11/1994	Grierson et al.			
	24.	5369023	11/1994	Nakatani et al.			

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	25.	5371015	12/1994	Sanford et al.		435	287
	26.	5451514	09/1995	Boudet et al.			
	27.	5453566	09/1995	Shewmaker et al.			
	28.	5459252	10/1995	Conkling et al.			
	29.	5464763	11/1995	Schilperoort et al.			
	30.	5478744	12/1995	Sanford et al.		435	285.1
	31.	5501967	03/1996	Offringa et al.			
	32.	5530196	06/1996	Fraley et al.			
	33.	5580722	12/1996	Foulkes et al.		435	6
	34.	5610288	3/1997	Rubenstein			
	35.	5635381	06/1997	Hooykaas et al.			
	36.	5665543	09/1997	Foulkes et al.		435	6
	37.	5668295	09/1997	Wahab et al.			
	38.	5683985	11/1997	Chu et al.		514	44
	39.	5684241	11/1997	Nakatani et al.			
	40.	5693512	12/1997	Finer et al.			
	41.	5713376	02/1998	Berger			
	42.	5716780	02/1998	Edwards et al.		435	6
	43.	5723751	03/1998	Chua			
	44.	5731179	03/1998	Komari et al			
	45.	5759829	06/1998	Shewmaker et al.			
	46.	5767378	06/1998	Bojsen et al.			
	47.	5776771	07/1998	Yu et al.			
	48.	5776502	07/1998	Foulkes et al.			
	49.	5830728	11/1998	Christou et al.			

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	50.	5837876	11/1998	Conkling et al.			
	51.	5846720	12/1998	Foulkes et al.	435	6	
	52.	5851804	12/1998	Snyder et al.			
	53.	5863733	01/1999	Foulkes et al.	435	6	
	54.	5858774	01/1999	Malbon et al.			
	55.	5858742	01/1999	Fraley et al.			
	56.	5877023	03/1999	Sautter et al.			
	57.	5929306	07/1999	Torisky et al.			
	58.	5932782	08/1999	Bidney			
	59.	5962768	10/1999	Cornelissen et al.			
	60.	5976793	11/1999	Foulkes et al.	435	6	
	61.	5976880	11/1999	Sautter et al.			
	62.	5981839	11/1999	Knauf et al.			
	63.	5989915	11/1999	Christou et al.			
	64.	5994629	11/1999	Bojsen et al.			
	65.	6022863	02/2000	Peyman			
	66.	6051409	04/2000	Hansen et al.			
	67.	6051757	04/2000	Barton et al.			
	68.	6136779	10/2000	Foulkes et al.	514	1	
	69.	6165712	12/2000	Foulkes et al.	435	6	
	70.	6165715	12/2000	Collins et al.			
	71.	6174724	01/2001	Rogers et al.			
	72.	6203976	03/2001	Foulkes et al.	435	6	
	73.	6255560	07/2001	Fraley et al.			
	74.	2001/0006797	07/2001	Kumagai et al.			
	75.	6271031	08/2001	Falco et al.			

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		TECH CENTER 1600/2000 Conkling et al.	
		Filing Date August 28, 2001	Group 1638

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	76.	6281410	08/2001	Knauf et al.			
	77.	2001/0026941	10/2001	Held et al.			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
	78.	0 116 718 A1	08/1984	EPO			
	79.	WO 84/ 02919	08/1984	PCT			
	80.	WO 84/ 02920	08/1984	PCT			
	81.	0 120 515 A2	10/1984	EPO			
	82.	0 120 515 B1	10/1984	EPO			
	83.	0 120 516 A2	10/1984	EPO			
	84.	0 131 620 B1	01/1985	EPO			
	85.	0 131 624 B1	01/1985	EPO			
	86.	0 131 623 B1	01/1985	EPO			
	87.	0 140 308 A2	05/1985	EPO			
	88.	0 140 308 A3	05/1985	EPO			
	89.	0 140 308 B1	05/1985	EPO			
	90.	0 159 779 B1	10/1985	EPO			
	91.	0 176 112 B1	04/1986	PCT			
	92.	0 189 707 B1	08/1986	EPO			
	93.	0 223 399 A1	05/1987	EPO			
	94.	0 223 399 B1	05/1987	PCT			
	95.	0 224 287 A1	06/1987	EPO			
	96.	0 240 208 A2	10/1987	EPO			

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				Applicants: Conkling Filing Date August 28, 2001			
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	97.	0 240 208 A3	10/1987	EPO			
	98.	0 240 208 B1	10/1987	EPO			
	99.	0 265 556 A1	05/1988	EPO			
	100.	0 270 822 A1	06/1988	EPO			
	101.	0 290 799 A2	11/1988	EPO			
	102.	0 290 799 A3	11/1988	EPO			
	103.	0 320 500 A2	06/1989	EPO			
	104.	0 320 500 A3	06/1989	EPO			
	105.	0 647 715	03/1990	EPO			X
	106.	CA 2032443	12/1990	Canada			X
	107.	WO 9012084	10/1990	PCT			
	108.	WO 9102070	02/1991	PCT			
	109.	WO 9101379	02/1991	PCT			X
	110.	WO 9111535	08/1991	PCT			X
	111.	WO 9114790	10/1991	PCT			X
	112.	0 458 367 A1	11/1991	EPO			
	113.	0 458 367 B1	11/1991	EPO			
	114.	0 467 349 B1	01/1992	EPO			
	115.	0 486 214 A2	05/1992	EPO			
	116.	0 486 214 A3	05/1992	EPO			
	117.	0 486 234 B1	05/1992	EPO			
	118.	WO 9215680	09/1992	PCT			
	119.	WO 9218522	10/1992	PCT			X
	120.	WO 9219732	11/1992	PCT			X (Abstract)
	121.	WO 9305163	03/1993	PCT			
	122.	WO 9305646	04/1993	PCT			

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
	123.	WO 9314768	08/1993	PCT			X
	124.	WO 9317116	09/1993	PCT			
	125.	WO 9420627	09/1994	PCT			
	126.	WO 9426913	11/1994	PCT			
	127.	WO 9428142	12/1994	PCT			
	128.	WO 9516031	06/1995	PCT			X (Abstract)
	129.	WO 9511687	05/1995	PCT			X
	130.	WO 9512415	05/1995	PCT			X
	131.	WO 9534668	12/1995	PCT			
	132.	WO 9535388	12/1995	PCT			
	133.	WO 9621725	07/1996	PCT			
	134.	WO 9705261	02/1997	PCT			
	135.	WO 9708330	03/1997	PCT			
	136.	WO 9712046	04/1997	PCT			
	137.	WO 9732016	09/1997	PCT			
	138.	WO 9738723	10/1997	PCT			X
	139.	WO 9744064	11/1997	PCT			X
	140.	WO 9741892	11/1997	PCT			
	141.	WO 9744450	11/1997	PCT			
	142.	WO 9749727	12/1997	PCT			
	143.	WO 9805757	02/1998	PCT			
	144.	WO 9830701	07/1998	PCT			
	145.	WO 9832843	07/1998	PCT			
	146.	CA 2248622	09/1998	Canada			X
	147.	WO 9856923	12/1998	PCT			X
	148.	WO 9910512	03/1999	PCT			

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149.		WO 9914348	03/1999	PCT			
150.		CA 2325344	04/1999	Canada			X
151.		WO 9925854	05/1999	PCT			
152.		WO 9926634	06/1999	PCT			X
153.		WO 9932619	07/1999	PCT			
154.		WO 9932642	07/1999	PCT			
155.		WO 9949029	09/1999	PCT			
156.		WO 9953050	10/1999	PCT			
157.		WO 9961631	12/1999	PCT			X
158.		WO 0012735	03/2000	PCT			
159.		WO 0018939	04/2000	PCT			
160.		WO 0029566	05/2000	PCT			
161.		WO 0037060	06/2000	PCT			
162.		WO 0037663	06/2000	PCT			
163.		CA 1341091	09/2000	Canada			
164.		WO 0063398	10/2000	PCT			
165.		WO 0067558	11/2000	PCT			
166.		WO 0109302	02/2001	PCT			
167.		WO 0138514	05/20.01	PCT			
168.		WO 0144482	06/2001	PCT			
169.		WO 0149844	07/2001	PCT			
170.		WO 0151630	07/2001	PCT			
171.		WO 0168836	09/2001	PCT			
172.		WO 0177350	10/2001	PCT			
173.		WO 0200927	01/2002	PCT			

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
174.	Abeyama et al. "A role for NF- κ B-Dependent Gene Transactivation in Sunburn" <i>The Journal of Clinical Investigation</i> 105(12):1751-1759 (June 2000).		
175.	Akimoto et al. "Growth Inhibition of Cultured Human Tenon's Fibroblastic Cells by Targeting the E2F Transcription Factor" <i>Exp. Eye Res.</i> 67:395-401 (1998).		
176.	Beck et al, "Nucleotide Sequence and Exact Localization of the Neomycin Phosphotransferase Gene from Transposon Tn 5", <i>Gene</i> , 19: 327-336 (1982).		
177.	Bevan & Flavell, "A Chimaeric Antibiotic Resistance Gene as a Selectable Marker for Plant Cell Transformation", <i>Nature</i> , 304: 184-187 (1983).		
178.	Blastn 2.2.3 RID: 1029876573-03236-18654 http://www.ncbi.nlm.nih.gov/blast/Blast.cgi		
179.	Blastn 2.2.3 RID: 1028939485-09139-26659 http://www.ncbi.nlm.nih.gov/blast/Blast.cgi		
180.	Burtin, D., et al., <i>Over expression of Arginine Decarboxylase in Transgenic Plants</i> , <i>Biochem. L.</i> , Vol. 325 (Part 2), pp. 331-337 (1997).		
181.	Bush, et al., <i>Nicotine Biosynthetic Enzymes of Burley Tobacco</i> , <i>Tobacco Abstracts</i> , Vol. 24, pg. 260 (1980)		
182.	Bush, et al., <i>Physiological Aspects of Genetic Variation in Nicotine Content in Tobacco (Nicotiana tabacum)</i> , <i>Tobacco Abstract</i> , Vol. 23, pg. 30 (1979).		
183.	Chilton et al., "Tailoring the Agrobacterium Ti Plasmid as a Vector for Plant Genetic Engineering", <i>Stadler Symp.</i> , 13: 39-53 (1981).		
184.	Colbere-Garapin et al., "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", <i>J. Mol. Biol.</i> , 150: 1-14 (1981).		
185.	Conkling, et al., <i>Isolation of transcriptionally regulated root-specific genes from tobacco</i> ; <i>Plant Physiology</i> , Vol. 93, No. 3, pp. 1203-1211 (1990)		
186.	Cornelissen, et al., <i>Both RNA Level and Translation Efficiency are Reduced by Anti-Sense RNA in Transgenic Tobacco</i> , <i>Nucleic Acids Res.</i> , Vol. 17, No. 3, pp. 833-843 (1989).		
187.	Crowley, et al., <i>Cell</i> , "Phenocopy of Discoidin I-Minus Mutants by Antisense Transformation" Vol. 43, pp. 633-641 (1985)		
188.	Cuozzo, et al., <i>Viral Protection in Transgenic Tobacco Plants Expressing the Cucumber Mosaic Virus Coat Protein Or Its Antisense RNA</i> , <i>Biotechnology</i> , Vol. 6, pp. 549-557 (1988)		
189.	Database entry of Ensembl Human Genome Server, AC006461.2.1.181215, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.		
190.	Database entry of Ensembl Human Genome Server, AC069205.6.1.132242, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.		
191.	Database entry of Ensembl Human Genome Server, AC097498.3.1.144511, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.		
192.	Database entry of Ensembl Human Genome Server, AC105416.3.1.123331, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.		
193.	Database entry of Ensembl Human Genome Server, AC108149.3.1.91810, BLASTN 2.0a13MP-WashU [10-Jun-1997], 1 pp.		
194.	Davies and Jimenez, "A New Selective Agent for Eukaryotic Cloning Vectors", <i>Am. J. Trop. Med. Hyg.</i> , 29(5): 1089-1092 (1980).		
195.	D'Acquisto et al. "Local Administration of Transcription Factor Decoy Oligonucleotides to Nuclear Factor- κ B Prevents Carrageein-Induced Inflammation in Rat Hind Paw" <i>Gene Therapy</i> 7:1731-		

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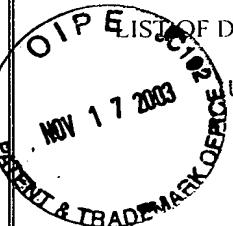
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		Applicants: Conkling et al.	
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		1737 (2000).	
	196.	Delauney, et al., <i>A Stable Bifunctional Antisense Transcript Inhibiting Gene Expression in Transgenic Plants</i> , Proc. Natl. Acad. Sci. USA, Vol. 85, pp. 4300-4304 (1988)	
	197.	Depicker et al., "Nopaline Synthase: Transcript Mapping and DNA Sequence", Journal of Molecular and Applied Genetics, 1(6): 561-573 (1982).	
	198.	Ecker, et al., <i>Inhibition of Gene Expression in Plant Cells by Expression of Antisense RNA</i> , Proc. Natl. Acad. Sci. USA, Vol. 83, pp. 5372-5376 (1986)	
	199.	Feth, et al., <i>Regulation in Tobacco Callus or Enzyme Activities of the Nicotine Pathway</i> , Planta, Vol. 168, pp. 402-407	
	200.	Fraley et al., "Expression of Bacterial Genes in Plant Cells", Proc. Natl. Acad. Sci. USA, 80: 4803-4807 (1983).	
	201.	Fraley et al., "Use of a Chimeric Gene to Confer Antibiotic Resistance to Plant Cells", Advances in Gene Technology: Molecular Genetics of Plants and Animals, 20: 211-221 (1983).	
	202.	Framond et al., "Mini-Ti: A New Vector Strategy for Plant Genetic Engineering", BIO/TECHNOLOGY, 5: 262-269 (1983).	
	203.	Genbank entry AB005879. Nicotiana tabacum mRNA for BYJ6, 05-Feb-1999, 2pp.	
	204.	Genbank entry AC002131. Arabidopsis thaliana chromosome 1 BAC F12F1 sequence, 28-May-1998, 38 pp.	
	205.	Genbank entry AC006461. Homo sapiens BAC clone RP11-343N14 from 2, 01-Mar-2002, 65 pp.	
	206.	Genbank entry AC021028. Homo sapiens clone RP11-137H2 from 10, 44 pp.	
	207.	Genbank entry AC024028. Homo sapiens BAC clone RP11-151M24 from 7, 07-Nov-2001, 68 pp.	
	208.	Genbank entry AC069205. Homo sapiens BAC clone RP11-735P12 from 2, 09-Jan-2002, 46 pp.	
	209.	Genbank entry AC079141. Homo sapiens BAC clone RP11-502A23 from 4, 07-Nov-2001, 43 pp.	
	210.	Genbank entry AC115109. Homo sapiens BAC clone RP11-78I10 from 2, 29-May-2002, 23 pp.	
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	218.	Hermaiteens et al., "The Agrobacterium Tumefaciens Ti Plasmid as a Host Vector System for Introducing Foreign DNA in Plant Cells", Nature, 287: 654-656 (1980).	

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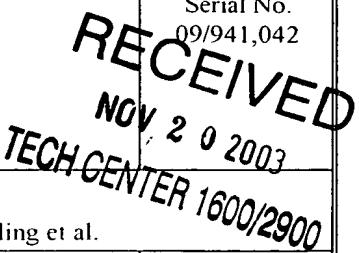
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